

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996  
From: bhall@GP802.jsc.nasa.gov (Hall, Benjamin D.)  
Subject: \*\*\* NEW QTH.BAFOLKS IS ON-LINE \*\*\*  
Message-ID: <1996Aug19.134758.1425.855166@jsc-ems-hub02.jsc.nasa.gov>

Greeting and Salutations Fellow Collectors of Fine Firebottle Equipment!

The latest revision of the QTH.BAFOLKS listing is now available for your perusal.

First, a few notes: This is an interim version. As soon as I had it in the mail to Jack, I got several new messages of people to add, and changes to make. The listing DOES unfortunately contain a few ERRORS, some are my fault, others I can blame on my computer. As always, please send any corrections to me at BDHall@GHGCorp.com, telling me of the error. Please don't hit reply, this is coming from my work e-mail address.

\*HOW TO OBTAIN\*

Fire up your e-mail program, and send a message to LISTPROC@THEPORCH.COM. That is LISTPROC@THEPORCH.COM, not boatanchors@theporch.com. (If you mess up and send you request to boatanchors@theporch.com, your request will be sent out as normal BA list traffic and you won't get your list.) Once again, you want LISTPROC@THEPORCH.COM in your To: field. On the subject line, you don't have to put anything. If your mailer hates this like mine does, just type "none" or "gimme my QTH list now" or "I love NASA" or "Long live the 5R4!" all are acceptable. Derogatory comments about Hallicrafters rigs or solid state are not acceptable, and may result in the bouncing of your request because the server happens to be solid state and happens to like Halli rigs. (kidding! I am in an odd mood) In the body of your message, put the following:

get boatanchors QTH.BAFOLKS

While you are at it, why not see what other good stuff is available? To do that, make you next line say the following:

index boatanchors

After that, you can hit send and the QTH.BAFOLKS listing and you index will end up in your mailbox in about 24 hours, or sooner. I got the update today in about 35 minutes, so ThePorch.com server must be feeling frisky today.

Either that or something good is on TNN that the server likes. It \*is\* a good Tennessee computer bye golly! (not an evil Houston computer like mine)

As always, remember that the QTH.BAFOLKS is compiled by a human who makes mistakes with the assistance of a computer that makes even more mistakes

(stupid computer!). Please send along corrections/updates/comments, this is a tool for you and is only as good as you make me make it. No correction is too small, perfection is my goal.

Added Bonus: Depending if there is enough interest, I may think about making more than one list. One will be sorted by last name, one by call, and another by QTH. This would require interest and the consent of Jack and Phil for the disk space required.

Thanks and 73,  
Ben  
(Keeper of the QTH.BAFOLKS data)

---  
BDHall@ghgcorp.com

From boatanchors@theporch.com Mon Aug 19 03:09:19 1996  
From: billo@nti.net (Bill Wilson)  
Subject: 75A2 manual needed  
Message-ID: <19960819034207243.AAA262@LOCALNAME>

I ended up with a nice Collins 75A2 over the Huntsville hamfest weekend. I need a manual for it if anyone has a spare or access to a copy machine. Much thanks and best wishes.

Bill  
AC4LC

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996  
From: Peter Ferrand <petef@sprynet.com>  
Subject: A final amplifier problem  
Message-ID: <2.2.32.19960819182619.007603e0@m3.sprynet.com>

The arrival of a Globe Champion 350 a couple months presented me with the problem of what to do about the final amplifier for this rig; one of the two AX9909's was cracked.

Wishing to permanently avoid having anything to do with AX9909's, I developed a no-hole conversion for this rig so that it now uses a single 4CX250B. Amazingly, from the first flip of the switch, the rig worked - almost. It's stable, modulation sounds good, neutralized and so forth and no smoke or sparks appeared.

The only problem is that I can't get more than 125 watts output, and that's about what it does on all bands. The set is rated for 350 watts CW input and

275 AM, and should put out at least 200 watts.

The only electrical changes I made were to reduce the filament voltage to 6.0 and cut the screen dropping resistor to 2.5K - it's part of a voltage divider network from the 300 volt low B+ supply; the resistor to ground is 25K.

Typical operation (cw mode) class C is as follows:

	Voltage	Current(mils)
Plate	950	290
G2	256	21
G1	-100	20

This is just what the Eimac data sheet suggests. This is conventional grid driven operation. I don't have an AX9909 data sheet, of course. Tried several tubes, including a brand new one out of the box. Plate current dip on resonance is sharp and symmetrical. The above readings are for 40 meters, but it works about the same on all bands.

Increasing the grid drive to 30 mils produces no output increase but an increase in screen current to about 30 mils. Driver is a 2E26 which I also tried replacing to no avail. A 6146 in the socket increases the drive but to the final but not their output.

If I transmit into the Matchbox and detune it to, say, a 3:1 mismatch, I can easily get the Bird to read 200 watts out. Not sure if that helps at all. I'm thinking that there might be some output circuit mismatch, but I don't really know what the next step might be, since I don't have the theoretical background to calculate this stuff. The output is a conventional pi-net with step switch for coarse loading; it puts fixed caps across a 350 mmf variable. Schematic shows four caps, the rig actually has three which are switched individually and then in parallel. The pi-net's input is a 250 mmf variable.

At this point I've run out of ideas, so would greatly appreciate yours.

73 es tnx  
-Pete  
WB2QLL  
petef@sprynet.com

From boatanchors@theporch.com Mon Aug 19 23:41:38 1996  
From: "D.D. Todd" <dube3@n-link.com>  
Subject: Re: A final amplifier problem  
Message-ID: <32194285.37D0@n-link.com>

Peter Ferrand wrote:

>  
> The only problem is that I can't get more than 125 watts output, and that's  
> about what it does on all bands. The set is rated for 350 watts CW input and  
> 275 AM, and should put out at least 200 watts.  
>  
> The only electrical changes I made were to reduce the filament voltage to  
> 6.0 and cut the screen dropping resistor to 2.5K - it's part of a voltage  
> divider network from the 300 volt low B+ supply; the resistor to ground is 25K.  
>  
> Typical operation (cw mode) class C is as follows:  
>  
>                   Voltage           Current(mils)  
> Plate            950            290  
> G2               256            21  
> G1               -100           20  
>

I don't have the specs for a 4CX250B, but the figures you show above indicate an input power of about 275 watts. If the tube's good, and is matched fairly well to the output, seems like it ought to do more than 125 watts out. Is the heater supposed to run at 6.0v? Low foltag on the heater can cause a remarkable drop in plate current.

> If I transmit into the Matchbox and detune it to, say, a 3:1 mismatch, I can  
> easily get the Bird to read 200 watts out.

One has to be careful here. The wattmeter might be reading a combination of forward and reflected power. I'd measure the power into a dummy load.

73,

-----

Dube Todd

K4DWW

dube3@n-link.com

"The wear on a hypothesis is proportional to the distance between the extrapolation and the experimental results."

-unknown

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996  
From: Mikhael Brown <mikhael@hpcmmp13.sj.hp.com>  
Subject: AA4MR Where are you?  
Message-ID: <199608191703.AA026894201@hpcmmp13.sj.hp.com>

Trying to e-mail AA4MR. Mail returned. Please e-mail me with your correct e-mail address. About SX-25.

Mike N6WIG

--

mikhael@hpcmmp13.sj.hp.com

From boatanchors@theporch.com Mon Aug 19 23:41:38 1996  
From: "August H. Johnson" <kg7bz@whitemtns.com>  
Subject: AN/SRT-14 Transmitter  
Message-ID: <3218E3FF.2479@whitemtns.com>

Hi all!

Well, the new toy was delivered as promised last Friday. I then drove 300 miles to the Albuquerque, NM Hamfest. This was a small hamfest but was filled with lots of boatanchors. 3 Viking I's, 4 or 5 SP-600's and lots more. The best bargains for me were the boxes of tube sockets and parts for FREE. They were begging me to take them! The parts included several new PL-68 plugs that I needed.

When I returned home (very tired) on Saturday afternoon, I found time to take a quick nap to recover from the drive. Then I got to work re-assembling the monster. Seems like all but one of the drawers weighed about 100 pounds, the HVPS must be more like 150 pounds or so. Luck was with me and that one goes on the bottom, closest to the floor. Finally, exhausted, I hit the sack.

Early the next morning, feeling full of energy again, I started working on bringing this thing to life. It cycles through it's power up sequence just fine and all the correct lights light up. Lots of blowers start up also. I switch it from STANDBY to OPERATE and more lights come on. OK, so far so good!

Now let's see about turning on the RF and tuning it up. I hit the manual key switch and instead of being rewarded with 2 volts of RF drive from the Radio Frequency Oscillator (RFO), I get a buzzing sound. Guess I'm going to have to dig into the 4 inch thick pile of schematics.

Turns out to be several problems in the Modulator deck. Someone has severely butchered the wiring to the relay that keys both the RFO and the Radio Frequency Amplifier. They've also done the same to the +250 volt regulated power supply. I spend several hours putting the wiring back the way it should be.

Now let's try that again! This time I'm rewarded with the RF drive

to the buffer in the RFA but nothing happens in the IPA or PA stages. Time to break out the scope and see what's happening. Hmmm... There's -30 volts on the grid of the 6AG7 buffer. Cutoff! Now I spend 1/2 an hour in the manual finding where it comes from and why it's not being removed when I key the Tx. Turns out that all the adjustment pots in the keying circuit in the modulator deck were turned counter-clockwise.

I align that section according to the manual and now the cutoff bias is removed from the buffer when I key it. There's now 150+ volts of drive on the grid of the 5933 (807) IPA. But there's also -200 volts cutoff bias! Back to the book again! Turns out that the companion antenna tuner (which I don't have) is supposed to provide a ground closure when it's not turning any of it's motor-driven switches and it's OK to produce RF power. I jumper the appropriate terminals and try again.

Yes! Now I get IPA grid and plate current! Also get PA grid and plate current and see power out. It's working! Now I've got to do more work and install the new 120V AC circuits that I need in my shop to operate this thing. I'm running it on a 100' extension cord from the house now and with this transmitter on, the line voltage is <100 volts.

Once I get that work done I will check out the AM modulator and go through the whole rig and align it. Lots of adjustments in the RFO and it's about 3 KC high on 75 meters right now. It should be within 10 Hz of the dial settings.

If you want to see what this thing looks like, I've put pictures at:

<http://www.whitemtns.com/~kg7bz/srt14.html>

August

--

August Johnson KG7BZ    AMI 733            <http://www.whitemtns.com/~kg7bz>  
P.O. Box 795  
Pinetop, AZ 85935

(520) 367-0592

From boatanchors@theporch.com   Mon Aug 19 03:09:19 1996  
From: Andy Wallace <wallace@mc.com>  
Subject: August 96 MIT Flea report  
Message-ID: <9608182324.AA05976@daffy>

A hot one! But not so hot for boatanchors:

Hallicrafters	SX-101	dinged	\$100
Hammarlund	HQ-129-X	nice	??? sold
Hallicrafters	Sky Champion	fair	\$100
Drake	MN-2000	nice	\$175
Mackay	???longwave	fair	help! Steve/John!
Heathkit	HW-101	good	???

Saw a nice looking big 19" rack -- the kind with a sloping panel to hold two 390As and a desk attachment below that, with more space underneath, \$125. If I only had a cellar. :-)

Met John Michael, Mike Crestohl, Rhyne Killian, and Eric Cottrell (from the local SWL club) and Steve Byan played chauffeur for me.

Saw one Vibroplex Champion bug in the 240,000 range for \$65, should clean up well, sold for ...?

A definite dearth of anchors or even non-anchor-us-radiofonicus. I did find a 12A variac for \$12 so now I can put it in a case and run the whole power strip off it and make my BAs happy with 110V not 1-twenty-something. Also found some tubes for the AR-88 (but no caps for the PS) and some Hammarlund Isolantite white ceramic coil forms, but the star find, and even then it was after having been there several hours:

MD-7/ARC-5 -- modulator for the ARC-5 setup, complete with dynamotor for \$30. Some screws and a 12J5 missing, some dings but hopefully no surprises under the case. Now I have no excuse not to get my 80m ARC-5 station on the air (I already have a 28VDC supply). Also:

R-23/ARC-5 -- 0.2 - 0.5 Mc receiver with the loop antenna input, unmodified and with dyno! Weird: black panel byt grey painted cabinet and motor. Still has tape sealing the knob and loop connectors on front, and still has the auxiliary tuning knob on the inside cover (no knob though). Both this and the modulator have no solder on the connector pins, and both dynos still have the wire twisted around the mounting clips.

The rx has a couple of dings but is in pretty good shape and unhacked. Not quite sure what I want to do with this. No doubt after I wipe the dust off I'll keep it as it is unusual. I tell myself I am not collecting ARC5s.

Gotta go, my conscience needs whomping again!

73,  
--Andy  
wallace@mc.com  
<http://www.mindspring.com/~johnmb/ka1gtt1.htm>

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996  
From: Andy Wallace <wallace@mc.com>  
Subject: Re: August 96 MIT Flea report  
Message-ID: <9608191159.AA04056@taku>

----- Begin Included Message -----

the knob and loop connectors on front, and still has the  
auxiliary tuning knob on the inside cover (no knob though).

----- End Included Message -----

OOPS, that should have been "still has the auxiliary  
tuning DIAL" and no knob...

Forgot to mention I saw a Johnson Adventurer, good  
shape except the meter was a replacement, \$50.

73,  
--Andy  
wallace@mc.com

From boatanchors@theporch.com Mon Aug 19 23:41:38 1996  
From: Dan Martin <dmartin@visuallink.com>  
Subject: B&W Inductor Coils  
Message-ID: <32190400.63A3@visuallink.com>

Hi, folks!

I've come by an old but beautiful home brewed antenna coupler I'm  
refurbishing. It's a monster of a link coupled balanced tuner with jumper  
selectable series or parallel tuning and Millen and Hammarlund variable  
caps that look like they would handle a commercial AM station. This thing  
has an engine-turned front panel and control knobs (levers, really) you  
can wrap your fist around! The wood chassis that all this rests on is  
deteriorating however, and I'm looking to remount everything on a new  
hardwood deck. It has several plug in Barker and Williamson HD-series  
coils. Problem is, the ceramic strip of one of them has been cracked  
clear through. This is the ceramic strip that the entire coil rests on



and has the metal plugs bolted in it. Anyone have any experience repairing or replacing this strip? I could:

1. Simply plug it in and remove it VERY carefully - use it as is.
2. Disassemble the unit and attempt to epoxy glue it together. Anyone ever tried this with ceramic?
3. Jig saw and drill an exact match from Plexiglas and replace the cracked ceramic version with this. This would almost surely work. Just hate to go to any Plexiglas in this otherwise "period piece". Plus, is Plexiglas OK at rf?

Or maybe someone has an entire shelf of NOS B&W HD-series plug in coils and will sell me one? Ha!

Ideas, guys?

Thanks a bunch for any and all opinions!

Dan  
WB4GRA

From boatanchors@theporch.com Mon Aug 19 23:41:38 1996  
From: john <johnmb@mindspring.com>  
Subject: Re: B&W Inductor Coils  
Message-ID: <2.2.16.19960819210134.3ef7d046@pop.ral.mindspring.com>

Dee, I'd consider epoxying a "splint" of plexiglass on either side of the plug in rail, and see if that helps. Use slow dry epoxy, as that seems like better stuff. Also really clean the gluing surfaces.

Good luck, and let us know how it works out!  
/John

At 07:42 PM 8/19/96 -0500, you wrote:

<snip>

It has several plug in Barker and Williamson HD-series  
>coils.

Problem is, the ceramic strip of one of them has been cracked  
>clear through. This is the ceramic strip that the entire coil rests on  
>and has the metal plugs bolted in it. Anyone have any experience  
>repairing or replacing this strip? I could:

- >1. Simply plug it in and remove it VERY carefully - use it as is.
- >2. Disassemble the unit and attempt to epoxy glue it together. Anyone

>ever tried this with ceramic?  
>3. Jig saw and drill an exact match from Plexiglas and replace the  
>cracked ceramic version with this. This would almost surely work. Just  
>hate to go to any Plexiglas in this otherwise "period piece". Plus, is  
>Plexiglas OK at rf?  
>  
>Or maybe someone has an entire shelf of NOS B&W HD-series plug in coils  
>and will sell me one? Ha!  
>  
>Ideas, guys?  
>  
>Thanks a bunch for any and all opinions!  
>  
>Dan  
>WB4GRA  
>  
>

```
+-----+
|John Brewer johnmb@mindspring.com           |
|WB50AU/4                      AMI #24        |
|Vintage Gear web page: http://www.mindspring.com/~johnmb/ |
+-----+
```

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996  
From: w5tvw@juno.com (Sandy Blaize)  
Subject: Re: BA Phonograph Supplies  
Message-ID: <19960819.102059.7511.1.W5TVW@juno.com>

They also have parts and common steel needles. I bought a big supply for  
my old 1923 Sonora wind-em-up low-boy gramophone!

Antique Phonograph Supply  
Dennis & Patricia Valente  
Route 2 Box 123  
Davenport Center, NY 13751  
607-278-6218

73  
Sandy Blaize, W5TVW  
Boat Anchors collected, restored, modified, traded & used!  
w5tvw@juno.com  
417 Ridgewood Drive,  
Metairie, LA., 70001.

From boatanchors@theporch.com Mon Aug 19 03:09:19 1996  
From: k7yha@juno.com (Richard H. Arland)  
Subject: BAs at the York (PA) Hamfest  
Message-ID: <19960818.220045.4447.1.k7yha@juno.com>

Gang:

Just got back from the York hamfest. In the past this has been a good fest for me and my boatanchors fettish. Today was no exception. I almost didn't go, since we were at my wife's family reunion yesterday and I didn't think that the 2nd day at the York Fest would be productive. I really didn't want to drive the 140 miles (one way) just to sell a couple of small items and drool over some BAs.

Boy, am I glad I went! BAs abounded.

My personal best was broken today. Brad, from The Radio Works in Portsmouth, VA was telling me about his Johnson Viking Valliant he had bought for \$100 AND the B&W 5100B he picked up for Jim, W4THU, for \$100! Both were very good to excellent in condx.

He then related how the guy who sold him the two transmitters plunked down two (yes, count 'em...one, two) Hammerlund HQ-170As and a matching speaker just as he was leaving for the nite, and asked Brad if he wanted the pair for \$50!. Brad jumped on the deal and then, since he wasn't really a Hammerlund man at heart, traded them to me for the Zenith Royal 1000 Transoceanic! Not a bad deal, since I only paid \$15 for the T-0 in March, put a couple of new transistors in it, aligned and cleand up the case. Basically, for around fifteen bucks, I came away with two HQ-170As, one working and one parts radio plus a matching speaker.

My next great deal of the century was a set of two KnightKIt TR-108 two meter AM phone rigs with a matching VFO and rack assembly. \$20 for the pair! The parts alone are worth three or four times that.

Other BAs seen at York:

SB-303 good condx \$150  
TR-3, RV-3, MS-3 in vy gud condx \$375  
TR-3, RV-3 in good condx \$225  
TR-4, RV-4, MS-4 in vy gud condx \$395  
Drake B-line in exc condx \$395  
SX-99 in gud condx \$50

And now for a trip into the Twilight Zone:

Hallicrafters Skyraider X2 in fair condx \$250  
Hallicrafters Challenger in fair condx \$250

a complete Eldico RX/TX/PSU/Spkr station (an S-Line wannabe) in fair condx \$300  
Zenith B-600 T-0 in vy gud condx (unrestored) \$250  
Hallicrafters S-40B in gud condx \$200  
National NC-57M in good condx \$150  
HQ-170 in good condx \$175

In all, BAs were well represented and there were a couple of good deals out there...even on the 2nd day of a 2 day fest.

On to Elmira!

73 rich K7YHA

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996  
From: chasteen@juno.com (John T Chasteen)  
Subject: BC-348-J, BC-348-N and BC-348-Q 78 pg Orig Manual  
Message-ID: <19960819.132440.9910.3.chasteen@juno.com>

I want to apologize to someone for not sending the manual promised.

I'm sorry but I cant find the email with where and who to send this 25 Feb 1942 manual which was revised 17 July 1943.

If you don,t want,maybe someone else can use. I no longer need.

73 John

St. John of Wood Dale =====

John Chasteen ( Near the center of the Universe...)

1 Thes 5:16 ( Near Chicago, Illinois.. USA )

voice 630-860-2580 chasteen@juno.com

=====

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996  
From: n5off@w5ddl.aara.org  
Subject: Canada Deals OK w/me  
Message-ID: <444021@w5ddl.aara.org>

I bought a R-388 and BC-348 from guys north of the North Dakota beaches which designate our border, no problem. I've also sold to Canadians, again, no problem.

I also worked with an engineer in Alberta to hack Icom chips, and we swapped boards all the time.

73 de tom

From boatanchors@theporch.com Mon Aug 19 03:09:19 1996  
From: Lrware@aol.com  
Subject: Cheap to good home Heath LP-1  
Message-ID: <960818164324\_262647040@emout08.mail.aol.com>

Last call on this poor old thing before it gets scrapped for parts -or- becomes some kind of homebrew sig-gen.

One Heathkit LP-1 Linearity Pattern Generator.  
Firebottle technology, sorta works, needs help....

Needs good Heath collector home...  
Will trade for almost anything small you have laying around.

-OR-

Will unload for shipping costs if you can tell me a really funny story about:

- 1) What you going to do with it. -or-
- 2) What was done with one somewhere and sometime else. -or-
- 3) Jack Hill's "Tennessee Traveling Antenna Farm..." -or-
- 4) Any other story/joke that will have me laughing to hard to type.

-Larry Ware  
lrware@aol.com

From boatanchors@theporch.com Mon Aug 19 03:09:19 1996  
From: MODSTEPH@ACS.EKU.EDU  
Subject: Cincy Hamfest  
Message-ID: <01I8FCZ8IE7M000D5I@ACS.EKU.EDU>

The Cincinnati hamfest keeps getting moved (through no fault of the sponsoring club). Today's location was quite nice, but not as big a turnout as in years past.

I did see about a half-dozen or so BA folks, so we were well represented (and I was handing out the flyers for the September "CX," which I shall post here in a couple of weeks) and saw a few BA's. One overpriced set was an HT-32B and SX-101A at \$300 each -- might have given some considration at \$300 for the pair, but not at 300/each. I passed by a few Heath Shawnee and Pawnee VHF pieces which looked to be in decent condition, watched a couple of HQ-110's (a little rough cosmetically, no clocks) go for \$70 each, found two of the elusive 6SB7Y tubes (need one for my NC-125) and a few other assorted buck each tubes... Saw a C-E Sideband Slicer (no price, each time I went

by was told the guy whose it was had just left), the B&W 51SB Sideband Adapter ditto (it did get sold while I was away once)...

And I brought home an SX-111. Never have had one before, and it looked ratty enough that the price was right, while good enough that I don't think it has been butchered. A good cleanup and new power cord for starters...

It was a pretty day, a pretty drive, and I didn't blow the whole wad - but did bring home a new toy to play with. What more could one ask...

73, Al N5AIT  
modsteph@acs.eku.edu  
Richmond, Kentucky

LOOKING FOR:  
Harvey-Wells APS-50 power supply  
Morrow RAP-250 power supply  
Morrow RVP-250 power supply

From boatanchors@theporch.com Mon Aug 19 23:41:38 1996  
From: Conard Murray <conard@tntech.campus.mci.net>  
Subject: Clegg Venus manual/schematic needed  
Message-ID: <1.5.4.32.19960820014809.00666348@tntech.campus.mci.net>

>Date: Mon, 19 Aug 1996 20:44:04 -0500  
>To: boatanchors@theporch.com  
>From: Conard Murray <conard@tntech.campus.mci.net>  
>Subject: Clegg Venus manual/schematic needed  
>  
>Hello gang,  
>Does anyone have a manual or a schematic for a Clegg Venus 6M rig? I checked with W7FG and he does not have one listed.  
>I was recently given a Venus in DOA condition and have managed to get it percolating resonably well after ferreting out an incorrect tube and a few other minor problems, but a previous owner has hacked up a few connections and I can't imagine what he was up to...  
>Thanks,  
>de Conard ws4s  
>conard@tntech.campus.mci.net  
>

From boatanchors@theporch.com Mon Aug 19 03:09:19 1996  
From: Paul Bernhardt <bern@ppdu.nrl.navy.mil>

Subject: CRT 2AP1 Dimensions

Message-ID: <Pine.A32.3.91.960819003315.43204A-1000000@ppdu.nrl.navy.mil>

Dear Gang,

An earlier message asked about replacing a 908 with a 2AP1 CRT in a panadapter. Unfortunately, I deleted the message before saving it. Anyway, I have a CRC 2AP1 tube in my hand along with a rule. The following is a mechanical description of the tube. All dimensions will be measured in inches. The dimensions of the face is 1.96 inches. The white phosphor extends back 0.25 from the face. the tube tapers down to 1.4 inches as distance of 2.6 inches from the face. The black tube base starts 5.7 inches from the face. The base is a cylinder 1.3 inches in diameter and 1.05 inches long. The 11 pins stick out of the base in a 1.05 inch diameter circle. The length of the pins are 0.45 inches and the keyed plastic plug that fits into the socket is .55 inches long and 0.28 inches in diameter. The hole tube from face to plug is 7.3 inches long.

I hope that this information is of some use.

Sincerely, Paul Bernhardt, KF4FOR

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996

From: w5tvw@juno.com (Sandy Blaize)

Subject: Re: CRT 2AP1 Dimensions

Message-ID: <19960819.093616.7511.0.W5TVW@juno.com>

I wouldn't go to the trouble of changing things around for the 2AP1 replacement for the 908! Easiest would be to find a 3AP1. The 908 is a 3" tube not a 2" tube. The base connections are the same. There should be someone out there that has a 3AP1 lurking in their junkbox. 73,

Sandy Blaize, W5TVW

Boat Anchors collected, restored, modified, traded & used!

w5tvw@juno.com

417 Ridgewood Drive,

Metairie, LA., 70001.

From boatanchors@theporch.com Mon Aug 19 03:09:19 1996

From: rdkeys@csemail.cropsci.ncsu.edu

Subject: Re: Crystal Grinding (fwd)

Message-ID: <9608181953.AA100925@csemail.cropsci.ncsu.edu>

> ----- Forwarded message -----

> Date: Sat, 17 Aug 1996 12:18:29 -1000

> >From: Niel Wiegand <nielw@IX.NETCOM.COM>

> To: Multiple recipients of list <boatanchors@theporch.com>

> Subject: Crystal Grinding

>

> I just tried grinding a crystal here and had pretty bad luck. 300

> figure 8's and the freq still hasn't shifted any.

>

> Has anyone actually ground a crystal by hand?

Many. It is all in the technique and the choice of grinding media.

> What size crystal were you working with? FT243: 1/2" x 1/2"?

FT-243, FT-171, R1, plus xtals from TCS, and others.....

> What did you use for grinding compound? Turtle Wax Rubbing Compound?

I usually use automotive body finishing paper cut into 1/4 sheets that are 1500 grit, with distilled or clean water as the grinding lubricant.

> How long did it take to shift freq, say, 10KC?

10khz should move in about 1 minute using the 1500 grit paper. Using comet cleanser, an alternative grinding medium, it takes about 3 minutes, if my memory from the novice days goes right.

MAKE SURE YOU GRIND ON AN OPTICALLY FLAT SURFACE. I RECOMMEND A SHEET OF PLATE GLASS 3/8 INCH THICK ABOUT 1 FOOT SQUARE AS A GOOD GRINDING SHEET.

Keep a spare xtal holder for testing that you use a rubber band or two to hold together for testing rather than the screws normally used. It goes a LOT faster that way.

CHECK YOUR GRINDING AFTER EVERY MINUTE OR SO OF GRINDING TO MAKE SURE YOU DON'T OVERSHOOT YOUR TARGET FREQUENCY. ONCE CLOSE TO YOUR TARGET FREQUENCY, CHECK AFTER EVERY 10 SECONDS OF GRINDING.

Grind using a figure 8 motion is fine, or use a continuously turning motion where you rotate the blank about 45 degrees after every few seconds of grinding.

Dress grind the edges of the blank to the proper bevel at the end of each grinding action, before testing. Be careful not to knock the corners off in dressing the edges.

I am sure others have their pet methods, but this has worked fine for me over the years, and I have routinely moved blanks up as much as 300 or 400 khz at 40 meters and 200 khz at 80 meters. My best luck



on 160 meters has been about 75 khz.

> tnx es 73, Niel - WA5VLZ

Yer most welcome. And Good Luck!

73/ZUT DE NA4G/Bob UP

From boatanchors@theporch.com Mon Aug 19 23:41:38 1996

From: W7FG <w7fg@eigen.net>

Subject: RE: Drake 2B @ 2BQ in box

Message-ID: <199608200421.XAA12870@newton.eigen.net>

Thanks to all who responded, and especially those who were willing to buy the unit. For all to know the bid's, if you wish, ranged from \$90 to \$235.

Suggestions

for their worth, new in the Box were not much different than HamFest prices

I've seen

around \$100 for pair.

NOW THE "Rest of the Story": I called the Gent back (my nickle again - problem with having a Watts line - Folks do take advantage of the service in a big time way)

and read him the notes received here, one at a time. After the 5 minutes of this I asked him If he'd like for me to have the folks who sent the E-Mail notes in response to my question contact him. His comment was "NO - I gave it to my Daughter this morning, she might want to learn the Morse code some day, it would be good for that." He then said "Hey - you will refund the money for the 2 manuals you sent

me won't you', my daughter doesn't want to pay me for them."

AH - yes - Sir I'll refund your money, but please don't call me again..

Thanks' FCC for the NO CODERS.

73's

Taken one more time

Gary

P.S. He didn't want to dirty the original manual's he had by thumbing through them.

question

W7FG Vintage Manuals

3300 Wayside Drive

Bartlesville, Oklahoma 74006

Telephone: 918-333-3754  
Orders Only: 800-807-6146

HomePage: <http://eigen.net/w7fg>

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996  
From: JOHN\_SEHRING.parti@ecunet.org  
Subject: DRAKE QUESTIONS  
Message-ID: <9608191101.aa16730@pcusa01.ecunet.org>

For you Drake mavens out there...

1. Quiz question: What is the Drake TR-44B?
2. The passband tuner (in the 50 KHz IF) in the Drake R-4 looks physically different from those in the R-4A and R-4B. The schematics show no differences however. Anybody know about this? (Drake gives no part numbers in manuals or on the parts themselves.) There is also a minor difference in alignment instructions.
3. The alignment instructions for the preselector on the R-4 is radically different from those of the R-4A and R-4B.

Once again, the preselector cans and the circuits around them look the same in all of these radios (no part numbers either). Are the preselector cans themselves the same?

The R-4's instructions are also unclear here: How does the preselector's red pointer get aligned? At 0 with the cans' slugs fully in, at 10 with them fully out, split the difference between 0 and 10 (like T-4X preselector alignment), or?

4. R-4 'V.F.O. Output Coupler Adjustment'--Step 3 refers to a resistor that does not exist either in the radio or on the schematic!
5. R-4B '50 KHz Oscillator' adjustment--Step 3 refers to a mysterious 'TP-3' which shows neither on the radio nor the schematic. This is the BFO adjustment which is intended to be beat against the frequency of the 25 KHz xtal calibrator.
6. The PT0 in the R-4A receiver and the T-4X transmitter uses all bipolar transistors. Its drift characteristics are very good, IMHO.

The R-4B receiver and the T-4XB transmitter use an FET in the PT0. Its stability is even better.

My question concerns substituting the FET PT0 for the bipolar PT0 in the earlier radios.

While the mixer circuit to which the PT0 is connected is the same in the T-4X and the T-4XB transmitter, the corresponding mixer circuit in the R-4A and the R-4B is somewhat different.

Also, the FET PT0 appears to have somewhat less RF output.

Question: Can this be done as a drop-in or do circuit changes need to be made in the radios?

-John Sehring (08/19/96 8:10 am MT @Baker, Montana) UCC wb2eqg

From boatanchors@theporch.com Mon Aug 19 23:41:38 1996

From: "Rick Blank" <rblank@legend.txdirect.net>

Subject: Re: DRAKE QUESTIONS

Message-ID: <199608192156.QAA26701@legend.txdirect.net>

> To: boatanchors@theporch.com

>

> For you Drake mavens out there...

>

> 1. Quiz question: What is the Drake TR-44B?

>

The TR-44B was the T4 (or whatever) reciter and the R-4 in one case stacked on top of each other....if I remember correctly...

Rick Blank, KI5SL

2223 Blanco Road

San Antonio, Texas 78212

rblank@txdirect.net

KI5SL@K3WGF.STX.USA.NOAM

AMSAT NA#26195

From boatanchors@theporch.com Mon Aug 19 23:41:38 1996

From: gpewitt@execpc.com

Subject: Re: DRAKE QUESTIONS

Message-ID: <Chameleon.960819193813.gpewitt@execpc.com.execpc.com>

It's in the 1969 Allied catalog page 204 for \$850.00 plus \$99.95 for the AC4 power supply. \$38.00 a month. \$5.00 a month for the power supply.

On Mon, 19 Aug 1996 16:57:34 -0500 (CDT) Rick Blank wrote:

>> To: boatanchors@theporch.com

>>

>> For you Drake mavens out there...

>>

>> 1. Quiz question: What is the Drake TR-44B?

>>

>The TR-44B was the T4 (or whatever) reciter and the R-4 in one case

>stacked on top of each other....if I remember correctly...

>

>Rick Blank, KI5SL

>rblank@txdirect.net

>2223 Blanco Road

>KI5SL@K3WGF.STX.USA.NOAM

>San Antonio, Texas 78212

AMSAT NA#26195

>

-----  
Name: Gary Pewitt N9ZSV Milwaukee

E-mail: gpewitt@execpc.com

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996

From: JOHN\_SEHRING.parti@ecunet.org

Subject: DRAKE TIPS

Message-ID: <9608191101.aa16831@pcusa01.ecunet.org>

Some Drake tips....

1. The AC-4 power supply for the Drake T-4\* transmitters runs very hot even in normal operation. This isn't too good for the electrolytic cans.

I suggest leaving its top cover off. It has no exposed HV on top so it's not a hazard. I also drilled a number of strategically-placed (under power resistors) 1/4" holes in the bottom cover to encourage air circulation.

2. The Drake R-4B receiver has a 6K/5W resistor mounted under the chassis immediately below the PT0. It throws off some heat which flows up thru a hole directly into the PT0. Although I find this radio to be quite stable (it uses an FET in the PT0), this resistor contributes to some drift.

Move the resistor somewhere else to get the heat away from the PT0 and it'll drift even less.

-John Sehring (08/19/96 8:32 am MT @Baker, Montana) UCC wb2eqg

From boatanchors@theporch.com Mon Aug 19 03:09:19 1996  
From: "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>  
Subject: FS: YC-601 DIGITAL DISPLAY  
Message-ID: <19960819044503627.AAA312@LOCALNAME>

SOLD MY FT-101, but he didn't want the display (already had one)  
YC-601 \$150 shipped

=====] -[->  
Robert Fowle KC8DBC  
The HAMMARLUND Historian  
Ph. 517-789-6721  
1215 Winifred  
Jackson, Mich. 49202-1946  
E-mail: hammarlund@jacksonmi.com  
Web Page: <http://www.jacksonmi.com/hammarlund>  
HAMMARLUND LITERATURE WANTED  
WANTED: MANUALS FOR ANY MAKE RADIO EQUIPMENT  
=====] -[->

From boatanchors@theporch.com Mon Aug 19 03:09:19 1996  
From: "Mark S. Hovda" <75301.3141@CompuServe.COM>  
Subject: FS: GE Ham News & RCA Ham Tips  
Message-ID: <960818231657\_75301.3141\_GHI103-1@CompuServe.COM>

I have a bunch of GE Ham News and RCA Ham Tips for sale to the best offer. They are full of BA construction articles. Send me an e-mail if you want the list.  
Thanks,  
Mark  
NOJWI

From boatanchors@theporch.com Mon Aug 19 03:09:19 1996  
From: k7yha@juno.com (Richard H. Arland)  
Subject: Hammerlund Receivers  
Message-ID: <19960819.030703.4447.4.k7yha@juno.com>

To the Hammerlund Collector.

Lost you e-mail address when Juno software crashed. Please e-mail me asap. Need some guidance.

73 rich K7YHA

From boatanchors@theporch.com Mon Aug 19 23:41:38 1996  
From: Bob Duckworth <rmd@ka4ybr.netmha.com>  
Subject: Heath HP24 sought.  
Message-ID: <199608191936.PAA04047@ka4ybr.netmha.com>

Anyone got a spare HP24 to sell or trade.  
This is the 110VAC power supply that matches the Heath HA14  
2 x 572B amp.  
I'm doing a 6m, 2 x 4X250B amp and this compact supply looks about  
right.

73,  
-bob  
WB4MNF

From boatanchors@theporch.com Mon Aug 19 03:09:19 1996  
From: Conard Murray <conard@tntech.campus.mci.net>  
Subject: Heath KC Dial needed  
Message-ID: <1.5.4.32.19960819060150.0067c99c@tntech.campus.mci.net>

Hello,  
I am in need of the round plastic Kilocycle readout dial for a Heath SB101.  
A cracked one is ok, as the one I have now is broken totally off it's  
mounting collar. Looks like someone hit it a good lick as I saw this radio  
not six months ago and the dial was perfect ... now, the dial is completely  
shattered. I hope the plastic didn't go nuts in that period of time!  
Thanks and 73,  
de Conard, WS4S  
Glowbugs listowner  
conard@tntech.campus.mci.net

From boatanchors@theporch.com Mon Aug 19 03:09:19 1996  
From: lblaske@pclink.com (Lee Blaske)  
Subject: Re: Heath part source  
Message-ID: <v02130502ae3d8ce7b8e4@[206.11.0.99]>

>> NEW LIFE FOR OLD HEATHKITS?  
>> If you are a Heathkit aficionado, listen up. The ARRL Lab's Mike Tracy,  
>>KC1SX, says that he has uncovered a possible source for surplus Heathkit  
>>parts that Heath sold off a number of years ago. It's a company called  
>>Spectrum Electronics located in Grand Rapids, Michigan.

Checking Switchboard, I found two listings for this company:

Spectrum Electronics  
2019 Eastern Ave. NE  
Grand Rapids, MI 49505-4210  
(616) 241-0561

Spectrum Electronics  
2019 Eastern Ave. SE  
Grand Rapids, MI 49507-3234  
(616) 241-1561

If anyone checks them out next week, I'm sure we'd all be interested in hearing a report. I wonder if they're overstocked on AT-1 front panels or RX-1 dial drums.

Lee Blaske AA0EF

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996  
From: Brien Pepperdine <pepperb@gov.on.ca>  
Subject: Hollow State News  
Message-ID: <Pine.OSF.3.93.960819134909.13201A-100000@govonca2.gov.on.ca>

Would someone please email me address and sub info for Hollow State News. I think my friend and I would like to sub, and buy some back issues for us both to benefit from, since we both seem to express interest in seeing what was there re. R-390(a) and such things.  
Thanks.

Brien  
Toronto

pepperb@gov.on.ca

From boatanchors@theporch.com Mon Aug 19 23:41:38 1996  
From: John Kolb <jlkolb@cts.com>  
Subject: Re: Hollow State News  
Message-ID: <Pine.SCO.3.91.960819125410.10422B-100000@sd.cts.com>

On Mon, 19 Aug 1996, Brien Pepperdine wrote:

> Would someone please email me address and sub info for Hollow State News.  
> I think my friend and I would like to sub, and buy some back issues for us

Publisher is Ralph Sanserino 74041.2430@compuserve.com  
He can supply current rates including back issues.

Lots of modifications and repair hints for R-390's; little less  
for R-388's, HQ-180's, etc.

73

John

From boatanchors@theporch.com Mon Aug 19 03:09:19 1996  
From: k7yha@juno.com (Richard H. Arland)  
Subject: HQ-170AC Manual/Sams PhotoFact  
Message-ID: <19960819.030703.4447.3.k7yha@juno.com>

Gang:

Need some help on my new pair of HQ-170ACs. I desperagely need the a  
photocopy of the manual along with the Sams PhotoFact on alignment and  
repair.

The one 170AC works in that it gets noise in the speaker. No RF coming  
thru, but I can get the calibrator to work on 40 Mtrs and peak the  
antenna trimmer for a mid=scale reading on the S-meter. No  
stations....just noise. I suspect weak tubes coupled with a bad  
alignment.

The other 170AC does not work at all. It needs some TLC.

Will pay repo costs of the manual/PhotoFacts info.

73 rich K7YHA

From boatanchors@theporch.com Mon Aug 19 03:09:19 1996  
From: Brien Pepperdine <pepperb@gov.on.ca>  
Subject: INFO - DX-100B  
Message-ID: <Pine.OSF.3.93.960818204731.7608E-100000@govonca2.gov.on.ca>

I guess I know by now the DX-100(B) is a FB xmter.

All I'd like to know now is what the B suffix indicates has been  
added/changed,  
and...



I think the 1624 modulator tubes are felt to be a bit of pain - are they expensive, hard to get or can the rig be modified with any ease to use a different modulator tube?

I have a line on a 100B that I can get in mid-Sept if I want to go for a drive, so more than anything I just want to know any interesting tid bits - I can assume by now it is a fine addition for what one wants to do, esp. to get on 160m. as well (unlike Apache, Marauder).

Thanks. I'd been looking for one and apparently I can believe this one is pristine etc. which is nice I guess.

Brien  
Toronto

pepperb@gov.on.ca

From boatanchors@theporch.com Mon Aug 19 03:09:19 1996  
From: jml@spider.lloyd.com (Jim Lockwood)  
Subject: Re: INFO - DX-100B  
Message-ID: <m0usKJ4-001NiSC@spider.lloyd.com>

>  
>I guess I know by now the DX-100(B) is a FB xmter.

Well, I'd say so. It has an entire Internet mailing list named in its honor. :-)

>  
>All I'd like to know now is what the B suffix indicates has been  
>added/changed,

Apache-style cabinet, only one crystal socket, internal xtal-vfo switch, cadmium or maybe zinc plated chassis (instead of copper plated), pre-punched rear apron for extra SO-239 connectors (for DX-10 SSB adapter (aka SB-10)), continuous loading control (instead of stepped loading), minor front panel changes, minor knob changes.

>and...  
>  
>I think the 1624 modulator tubes are felt to be a bit of pain - are they  
>expensive, hard to get

The 1625 modulators require a bit of searching at times to locate, but generally are inexpensive and reliable. I wouldn't worry about them.

>or can the rig be modified with any ease to use a  
>different modulator tube?

Having the old WW II 1625s as modulators is part of the charm of DX-100 ownership. I wouldn't recommend making any changes to the tube lineup.  
>

>I have a line on a 100B that I can get in mid-Sept if I want to go for a  
>drive, so more than anything I just want to know any interesting tid bits

There are no real land mines in the 100B, just the usual caveats about adding the neutralizing mod and boosting 10M grid drive. It's about as simple a 100W transmitter as you'll find and simplicity equates to reliability.

>- I can assume by now it is a fine addition for what one wants to do, esp.  
>to get on 160m. as well (unlike Apache, Marauder).

The rig works FB on 160M altho I've heard that the 160M coil is a bit smallish. It's probably helpful to use a resonant antenna on 160M. I do, and have had no problems at all.

Get the DX-100B; it's a neat transmitter.

73,

Jim - km6nk

From boatanchors@theporch.com Mon Aug 19 23:41:38 1996  
From: "Joseph W. Pinner" <kc5ijjd@dns1.net-connect.net>  
Subject: Manuals FS  
Message-ID: <199608192221.RAA03680@dns1.net-connect.net>

Have a couple of duplicate mil manuals:

USM-117 (Navships 94344(A)) (copy)	10.00
AN/VRC-12, -43, -45, etc (TM 11-5820-401-10-2)	10.00
AN/VRC-12, -43, -45, etc (TM 11-5820-401-34-2-1)	45.00
R-390A (TM 11-5829-385-35) (1961)	25.00

All, plus shipping.

Joseph W Pinner  
Lafayette, LA  
KC5IJD  
EMail: kc5ijd@net-connect.net or kc5ijd@aol.com

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996  
From: Karan Lee Carruth <klccarru@tenet.edu>  
Subject: Re: Melton Book  
Message-ID: <Pine.OSF.3.91.960819104933.4406E-100000@beall.tenet.edu>

On Mon, 19 Aug 1996, MEC wrote:

> Which book is this ?  
>  
> I have been to his place and seen the hardware, but never a book . hi  
>

I know of three that he has written and I think that there is a new one coming out in the near future. The ones I have are:

Clandestine Warfare by James Ladd and Keith Melton

OSS Special Weapons and Equipment, spy Devices of WWII by H. Keith Melton

CIA Special Weapons and Equipment, Spy Devices of the Cold War, by H.  
Keith Melton

Hope this helps.

Lenox, WA50VG  
klccarru@tenet.edu

From boatanchors@theporch.com Mon Aug 19 03:09:19 1996  
From: Terry Gaiser <gaiser@lightspeed.net>  
Subject: Misc Gear Forsale  
Message-ID: <3217D4CF.3CDF@bak2.lightspeed.net>

I have the following gear forsale:

Collins WE 51S-1 RX in good condition. \$ 800.00

Collins 75S-1 RX with Waters rejection tuning, 32S-1 TX, both very nice condition. \$ 400.00

Collins WE 30L-1 amplifier very nice condition. \$ 500.00

Collins CP-1 crystal pack, complete minus xtals already in gear. \$ 100.00

Alpha 77DX amplifier, very good condition. \$ 3300.00. With extra new 8877, \$ 3600.00

Signal-One CX-7B, good condition. \$ 900.00

Swan 350 with matching power supply / speaker. \$ 200.00

Swan 500-CX with matching power supply / speaker. \$ 250.00

Dentron MLA-2500B with new finals. \$ 700.00

Drake TR-4CW/RIT in very nice condition. \$ 400.00

All items plus shipping. Thank You.

Terry - N6UR 805-366-2211, Fax 805-363-5011  
<n6ur@aol.com>

From boatanchors@theporch.com Mon Aug 19 03:09:19 1996  
From: "Mark S. Hovda" <75301.3141@CompuServe.COM>  
Subject: Misc.  
Message-ID: <960819020330\_75301.3141\_GHI50-1@CompuServe.COM>

Al,

Would you believe I got over 15 offers to buy that stupid URC-32 manual! And that is through Sunday. I'll get lots more with the e-mail at work crowd. Another reason for best offer pricing. BTW, if you see anything I advertise at best offer that you are interested in, let me know. We can work out a reasonable low price that I will consider my best offer.

Thanks again for the offer on the DX-20 manual. I may give you a call. I'd like to see what you have in your now clean basement. Also, I snapped a picture of the AT-1 for you to add to your photo collection of rigs that passed through your hands.

CUL  
Mark

From boatanchors@theporch.com Mon Aug 19 23:41:38 1996  
From: Hans Jense <jense@eos.arc.nasa.gov>  
Subject: Need help locating APS-4 radar peripheral units  
Message-ID: <199608191911.MAA07763@eos.arc.nasa.gov>

Dear listmembers,

this weekend I got a letter from a friend in Holland who is an avid boatanchor avionics collector. She recently acquired a mint and almost fully complete APS-4 radar pod along with some peripheral equipment. This unit dates back to 1944 and was used on coastal patrol aircraft. She also got the accompanying documentation through some museum, and is now looking for the units that are still missing from the set. While continuing to work the European circuit herself, she's asked my help in trying to locate the following pieces of equipment in the US:

indicator	ID-5/APS-4
indicator amplifier	AM-5A/APS-4
control box	C-12/APS-4
junction box	J-88/APS-4

Any help in locating these items, or addresses of avionics oriented traders/stores who might be able to help are appreciated.

-- Hans

=====

Dr. G. J. Jense  
Senior Scientist, Virtual Environments  
  
Command & Control and Simulation Division  
TNO Physics and Electronics Laboratory  
The Hague, The Netherlands

Currently on leave at:

NASA

Spatial Perception and Advanced Displays Lab  
Human and Systems Technology Branch  
Flight Management and Human Factors Division

NASA Ames Research Center  
Moffett Field, CA 94035-1000

Mail Stop 262-2

Phone: (415) 604-1877

Fax: (415) 604-3729

Email: jense@eos.arc.nasa.gov

=====  
From boatanchors@theporch.com Mon Aug 19 03:09:19 1996  
From: MODSTEPH@ACS.EKU.EDU  
Subject: Need schematic - that's AF-68...  
Message-ID: <01I8FGGYIHKY000DRB@ACS.EKU.EDU>

How did that get in there? EF-68 indeed...

So I need a copy of the schematic for an AF-68 Multi-Elmac  
transmitter, please. 8-)

73, Al N5AIT  
modsteph@acs.eku.edu  
Richmond, Kentucky

From boatanchors@theporch.com Mon Aug 19 03:09:19 1996  
From: MODSTEPH@ACS.EKU.EDU  
Subject: Need Schematic: Elmac EF-68  
Message-ID: <01I8FDV2ABHK000D5I@ACS.EKU.EDU>

The subject says it. I have a manual for the 68A which should  
suffice, but would like a schematic of the plain 68.

Thanks  
73, Al N5AIT  
modsteph@acs.eku.edu  
Richmond, Kentucky

From boatanchors@theporch.com Mon Aug 19 03:09:19 1996  
From: MODSTEPH@ACS.EKU.EDU  
Subject: Need SX-111 Manual  
Message-ID: <01I8FDT6QH6A000D5I@ACS.EKU.EDU>

..since I just got an SX-111 at the Cincinnati Hamfest. Will of  
course pay for copying and mailing...

73, Al N5AIT  
modsteph@acs.eku.edu

Richmond, Kentucky

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996  
From: standard@pcs.mb.ca  
Subject: Need SX117 manual&schem.  
Message-ID: <199608191335.IAA26436@pcs.mb.ca>

Looking for a photocopy of the Halli SX117 manual and schematic. Happy to pay photocopy, postage, etc etc etc.

tnx

Gary VE4YH  
standard@pcs.mb.ca

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996  
From: Glenn Finerman <GFINER@nms.com>  
Subject: Oakland NJ Hamfest BA's  
Message-ID: <s2188363.006@nms.com>

Attended what has always been a great source for BA's this past Saturday 8/17. The Ramapo Mountain Amateur Radio Club Hamfest (known locally as the "Oakland Hamfest") in Oakland NJ. Lots of great BA bargains! An all-outdoor tailgate event, here's the report;

National NC-109 mint cond (9-) missing phasing knob \$75.00  
National NC-57B fair cond (5+) \$65.00  
National NC-57 fair cond (5-) \$65.00  
National NC-300 good cond (7) \$150.00  
National NC-120 good cond (7) \$120.00 really old looking thing! odd!  
Drake TR4-C with supply VG cond. (8+) \$250.00  
Drake T4X-B with supply VG cond (8+) \$120.00  
Drake "B" line T4X-B, R4B AC-4 excellent cond (9) \$175.00 (see below)  
Hallicrafters SX-110 fair cond.(4+) "needs work" \$25.00  
Hallicrafters HT-40 good cond.(7) \$65.00  
Hallicrafters HT-40 mint cond (9+) \$95.00 (matching rcvr also \$95.00)  
Hallicrafters HT-30 good cond.(7+) \$75.00  
Collins 30L-1 excellent cond.(9) \$475.00  
Collins 75A-2 mint cond.(9+) \$375.00 (real heartbreak! see below)  
Collins 75S-1, 32S-1, supply, speaker excellent cond (9) \$600.00  
Heathkit Apache TX-1 VG cond (8) \$75.00 (he had two!! see below)  
Heathkit Cheyenne MT-1 VG cond (8) \$50.00 (w/manual, missing knob)  
Heathkit VF-1 mint cond.(9+) \$20.00 (not original tuning knob)

I spent my entire wad! , Bought one of the two Apache's (the one without the extra hole drilled in the front panel!), bought the Heath MT-1 (came with a homebrew supply and manual), got the Drake "B" line... with a big-o'1 3/4 inch 4 prong mike jack installed right in the middle of the front panel of the T4X-B!!!! I actually felt sorry for it!, the price was right! and couldn't resist the mint VF-1 for \$20.00. Almost bought the 75A-2.... really nice shape, asked what the best he could do on the price...he said \$350.00....walked around to think...came back to buy, someone was getting it for \$325.00 !!! AGHHHH!!! You know what they say! You snooze.....

Now to save that mutilated T4X-B..... Did I see someone post a comment about parts still being available from Drake? Even front panels? If thats the case, then I really could restore this fine transmitter to original condition! (I almost cried when I saw that mod!!!)

Thanks Gang!!!!

Glenn    N2BJG            GFINER@NMS.COM

From boatanchors@theporch.com   Mon Aug 19 23:41:38 1996  
From: dma@IslandNet.com (Jan Skirrow)  
Subject: Re: old cap failure modes \*bang!\*\nMessage-ID: <m0UsakB-000VsLC@comm.amtsgi.bc.ca>

Hi Chuck ...

>So had it on the bedside table one night, listening to jazz on CBC in Canada.

Nice to see you appreciate quality radio!!

>Was about 1AM, and was almost asleep, when BANG !!!!  
>a .047uf molded cap went off like a firecracker.  
>Interesting to see how it failed. Looks like it fried and vented, shooting out a big  
>chunk of its plastic casing. Also learned a bit about the circuit design from this.  
>This cap was in the filament chain, right off the power cord.  
>So I'd guess this thing also might have taken the place of the missing fuse :)

> -Chuck Grandgent, K10M, Maynard, Mass.  
>    k10m@world.std.com        <http://world.std.com/~k10m>

Most AC/DC radios use a floating ground (not connected to the chassis) that may be at line voltage - depending on how the AC plug is inserted into the



socket. By keeping it floating, the chassis is not NORMALLY hot. I understand some manufacturers connected one side of the line directly to the chassis, but I've never seen one of these.

Anyway, the floating ground is usually connected to the chassis by a capacitor to place it at signal ground. If this baby is leaky (likely in an old radio) the chassis may be hot to some degree. When I work on an AC/DC set, I connect the chassis ground to the power line ground, and use a GFCI outlet. Lots of these old caps leak enough to trip the GFCI interrupter. If the cap should happen to short, and the chassis is actually grounded in some other way, that cap could really go with a bang. More likely, and more deadly, nothing much will happen except the chassis may now be at line potential.

These floating ground to chassis caps MUST be replaced. Better, of course, is to use a three wire line cord or at least a polarized plug. If you're a purist (as I am with AC/DC radios) use a polarized plug, ensure the neutral is the one the cap is in, and make sure the cap is perfect. Then, if your outlets are wired correctly, you'll have no problem. If one is not, you still have the protection offered by the cap. It should go without saying to make sure the knobs are on tight and that there is no way you could accidentally contact the chassis.

Way back in the Jurassic when I repaired a skillion of these things to make a few bucks, I decided that while few customers were at risk (if the knobs and back cover were in place and intact) the technician sure was. I ran into more than a few tingly chassis, and even the odd complete failure. One learned to check!!!

Jan Skirrow, VE7DJX

dma@islandnet.com

From boatanchors@theporch.com Mon Aug 19 23:41:38 1996  
From: ZI076@ccmail.ceco.com  
Subject: Original BA Advertising on CD-ROM?  
Message-ID: <9607198404.AA840482566@ccmail.ceco.com>

I have been mulling it over for several weeks, and decided to make a feasibility study. I want to scan old catalogs with Amateur related Boat Anchor equipment and accessories/parts and preserve them (indexed) on a CD-ROM.

The purpose is not to replicate the current offerings such as Moore's et al, but to provide those who used to

enjoy perusing the catalogs.

My reason for posting is to solicit feedback and suggestions on content. I've just read one post about coil winders, chassis jigs etc.. Would accessories like those also be interesting?

My own collection of catalogs is fairly limited. In order to make this project work it would be necessary to solicit catalogs from others. After experimenting with my own catalogs, I've found that it is often necessary to disassemble them to get a quality scan. Would anyone be interested in entrusting their catalogs to me in order to preserve the content, with the foreknowledge that their catalog may be returned to them in at least a partially unbound condition. What would be fair compensation for use of the book? A free CD when produced?

Give me some feedback!

Tnx & 73,

Chuck Hallett ai3o  
4220 23rd Avenue  
Kenosha, WI 53140  
414-657-7710

From boatanchors@theporch.com Mon Aug 19 23:41:38 1996  
From: Joe Serocki <JSEROCKI@allstate.com>  
Subject: Original BA Advertising on CD-ROM? -Reply  
Message-ID: <s218a7e5.076@allstate.com>

go for it. if its not for profit I would gladly help reimburse some expenses.

>>> <ZI076@ccmail.ceco.com> 08/19/96 01:25pm >>>  
I have been mulling it over for several weeks, and decided to make a feasibility study. I want to scan old catalogs with Amateur related Boat Anchor equipment and accessories/parts and preserve them (indexed) on a CD-ROM.

The purpose is not to replicate the current offerings such as Moore's et al, but to provide those who used to enjoy perusing the catalogs.

My reason for posting is to solicit feedback and suggestions on content. I've just read one post about coil winders, chassis jigs etc.. Would accessories like those also be interesting?

My own collection of catalogs is fairly limited. In order to make this project work it would be necessary to solicit catalogs from others. After experimenting with my own catalogs, I've found that it is often necessary to disassemble them to get a quality scan. Would anyone be interested in entrusting their catalogs to me in order to preserve the content, with the foreknowledge that their catalog may be returned to them in at least a partially unbound condition. What would be fair compensation for use of the book? A free CD when produced?

Give me some feedback!

Tnx & 73,

Chuck Hallett ai3o  
4220 23rd Avenue  
Kenosha, WI 53140  
414-657-7710

From boatanchors@theporch.com Mon Aug 19 23:41:38 1996  
From: "Barry L. Ornitz" <u856010@eastman.com>  
Subject: Other options on output impedance matching networks  
Message-ID: <Pine.ULT.3.91.960819194203.5741B-100000@dua150.kpt.emn.com>

On Fri, 16 Aug 1996, Larry Kayser continued our discussion on 4-1000 amplifiers.

> First, the PI network is hardly an appropriate design at a Q of 15 or  
> greater, there are other options. A simple COIL with a shorted turn to  
> adjust reasonance is highly appropriate and works VERY well. I had a pair  
> of 4-1000's on six meters many years ago and the just purred with 4KV+ and a  
> super simple 4 turn coil made of 3/8 inch copper tubing, link coupling, and  
> tuning with a shorted turn loop. Many home brew amplifiers are not used on  
> more than one or two bands so the 160 to 10 meter bandswitching paradigm is  
> not critical to success.

The important thing to note here is that TWO tubes are used in \_push-pull\_ operation. This is extremely significant as I was earlier discussing the

use of a SINGLE final amplifier tube. With push-pull, you get a very distinct advantage on the higher frequency bands: the output capacitance of the two tubes is in series giving half the output capacitance of a single tube. Compare this to parallel operation where the output capacitance is twice that of a single tube. The result is a four to one decrease in capacitance.

> I have achieved SSB efficiencies of 60% on 6 meters with two tubes,  
> excellent linearity etc. A key issue is to dump the PI network when it is  
> not appropriate, lousy efficiency is as good a reason as any to dump the use  
> of this form of circuit.

The issue here is really more of an apple/orange choice. On higher frequencies where output capacitance becomes an issue, push-pull operation has its advantages. Yet on 160 meters, the additional inductance needed to tune the series capacitance means a coil with lots of turns or lots more capacitance. Unloaded coil Q becomes a big issue. Paralleled operation of the tubes might be a better choice.

I cannot imagine why any one would need a pair of 4-1000's for an amplifier when we have restricted power limits well below what such an amplifier could deliver. [But if you have a cheap source of tubes and run them at the legal limit - they should last virtually forever.] A pair of 4-400's, on the other hand, also make an ideal amplifier for amateur use. Their 800 watts of plate dissipation can nearly do what a 4-1000 can do. Depending on your locality, 4-400's and 4-1000's may often be found surplus from broadcast stations. In other areas, the venerable old 833 is more common.

If you can afford separate amplifiers for each band, you can choose the best design for that band - parallel or push-pull. If you are willing to use plug-in coils, you can get quite a bit of flexibility. Trying to achieve multiband operation with a single bandswitch, however, would be a real challenge. [But looking at a different issue, a single tube will achieve lower distortion figures than a smaller pair in parallel.]

The use of a shorted turn to decrease the inductance of a coil was written up in QST for an article on a six-meter amplifier using "bread slicer-less" design. On two meters and above, tuned transmission lines are common output circuits (K2RIW and later designs). I think one of the ARRL handbooks of the late 1980's had an amplifier design that stretched and compressed the output inductor to achieve resonance. Naturally such designs limit you to a single band and in the case of the 6 meter amplifier, a portion of the band.

Covering the entire HF amateur spectrum with one amplifier is generally always going to be a compromise.

-----

73, Barry L. Ornitz WA4VZQ ornitz@eastman.com

For a discussion of inductor losses that many of us might want to ignore latest QEX magazine. Written by our own Kevin Schmidt, W9CF, the article is: "Estimating T-Network Losses at 80 and 160 Meters". While not directly aimed at us Boatanchorites, it does make you wonder how much power we might be turning into heat in our surplus BC-375 rotary inductors...

From boatanchors@theporch.com Mon Aug 19 23:41:38 1996  
From: DEE ALMQUIST <SOUNDNMIND@rica.net>  
Subject: PARTING OUT HALLIC SX42 & NEW CAPS  
Message-ID: <19960820003906794.AAA243@har-dialin-77.rica.net>

Hi BA Gang...

After a year sitting on a pair of hallicrafters SX 42 s, I've decided I will never get to them. So I want to know if any one is interested in parts etc. I also have BIG slug of hi grade caps for rebuilding one of these babies (and it takes a lot of .02, .05, etc.). These are new, so if you want a challenge to make one of these radios really perform, try a complete recap and quite a few resistors (about weeks work or better). Give me an E-mail. Dee, W4PNT

PATTY AND DEE'S MARINA, COLLECTORS OF BOATANCHORS...

From boatanchors@theporch.com Mon Aug 19 23:41:38 1996  
From: Andy Wallace <wallace@mc.com>  
Subject: Pig Pen's AR-88 is an F  
Message-ID: <9608192038.AA00325@taku>

I finally cleaned off the cap and RF section cover which was sitting on my kitchen floor, upside down, for the past few weeks.

DUH.

Right there, on the RCA label, is the model: AR-88F. This is the one with the IF GAIN control on the front panel. I am hoping that since the tube lineup is the same the alignment info for the AR-88D will be close enough. (But if someone has info on the F, I'd like to know where that pot goes and how I should adjust it while aligning!)

If someone has a small RCA emblem I'd be interested. Mine is rusty! If I can't find one, I'll leave it on

as a reminder of what the rig went through before I got it.

Also: what are the dial lamps? Mine are corroded and I can't read the numbers, and the manual says RCA part numbers.

73,  
--Andy  
wallace@mc.com

From boatanchors@theporch.com Mon Aug 19 23:41:38 1996  
From: Al Klase <alklase@prolog.net>  
Subject: Re: Pig Pen's AR-88 is an F  
Message-ID: <199608200128.VAA20070@ns1.ptd.net>

At 03:45 PM 8/19/96 -0500, Andy Wallace wrote:

>Right there, on the RCA label, is the model: AR-88F.  
>This is the one with the IF GAIN control on the  
>front panel. I am hoping that since the tube lineup  
>is the same the alignment info for the AR-88D will  
>be close enough. (But if someone has info on the  
>F, I'd like to know where that pot goes and  
>how I should adjust it while aligning!)  
>

In the AR-88D the first and second IF amps, V5 and V6, have cathode resistors of 100 and 180 ohms respectively. In the AR-88F these resistors are 100 and 15 ohms. Their "cold" ends are connected together and connected to ground through the 5000 ohm "DIVERSITY IF GAIN" control. This variable resistor is bypassed to ground by a .006 mF cap. This control is normally operated in the full-clockwise (minimum-resistance maximum gain) position, and is used to equalize the gain of two or more receivers operating in diversity mode.

Dial lamps are 6.8 volt at 250 ma., i.e. #44.

This info from TM11-880, 11 December 1945.

73,  
Al  
Al Klase - N3FRQ  
alklase@prolog.net  
Flemington, NJ

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996  
From: "Andy Howard, WA4KCY" <102452.362@CompuServe.COM>  
Subject: Re: Problems with shipping to Canada  
Message-ID: <960819185814\_102452.362\_DHT93-1@CompuServe.COM>

I have not had any problems with shipping to Canada. I realize that undoubtedly some have experienced difficulties as will happen when shipping from one country to another. However, I do not feel that any blanket statement intimating that it is impossible to deal with our Canadian friends is appropriate.

Let's face it. We Americans have very few friends around the world. The Canadians just happen to be good friends of the United States. Blast the Japanese for their trade policies, go after the Mexicans, the Chinese. Actually any trade policy or treaty that is not equitable is our own fault. We don't have to sign them after all. Blame the bureaucrats. The Canadians are great people and I hope that we always remember that. They are our closest ally and rightly so.

Andy, WA4KCY

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996  
From: Nick England <nick@cs.unc.edu>  
Subject: R-175 help needed  
Message-ID: <199608191642.MAA14700@altair.cs.unc.edu>

A friend needs help on an R-175/URR.  
Please reply directly to him, not me.  
thanks  
Nick KD4CPL

=====

The equipment is:

Signal Corps Receiver R-175/URR (Motorola)  
Signal Corps Power Supply PP-308/URR (Zenith)

Both are cosmetically excellent, but don't operate.

Interested in documentation, guidance in attempting repairs, and/or someone who will repair (for a fee, of course).

Send info to jhankins@ix.netcom.com

Joe Hankins

Norfolk MA

+++++

From boatanchors@theporch.com Mon Aug 19 03:09:19 1996

From: dma@IslandNet.com (Jan Skirrow)

Subject: R5/D3; Electronic Dimensions; Longview Hamfest; PSARS Swap Meet

Message-ID: <m0UsJYD-000VsUC@comm.amtsgi.bc.ca>

Interesting BA weekend:

R5/D3 in Portland: Nice collection of vintage test gear and tubes/parts. Great prices and the owner is flexible. Had a Collins 32S3 for \$225, a Racal receiver; a nice DX-40 and a large number of what looked like fixed frequency transceivers. A couple of Tek 500 series scopes in nice shape for almost free -with plug-ins: one needed the fan fixed. Well worth a visit anytime!

Electronic Dimensions in Tacoma. Wonderful collection of test gear and a few nice BAs. A 30s radio with a Zenith style dial built for Howard; a couple of Sky Buddies; an RME45; a KWM2; a bunch of Gonset Communicators. Of major interest (forbidden fruit???) is the adjoining "staff only" warehouse filled to the ceiling with BA gear. Downside: prices to make you weep. So high as to discourage even the casual query. Too many items with four figure price tags - with no obvious reason. A couple of HP plug-ins for (much) more than Tucker even. Broken HP410C without probe for as much as Tucker wants for a guaranteed one with AC probe, etc. Great place to find that pot, cap or whatever that you need no matter the price. But pretty much a loss otherwise. Too bad. Great stuff.

Longview Swap Meet: Lots of stuff for sale, but not so many buyers. Prices seemed a bit high, but the high end stuff didn't seem to be selling all that well. Some pretty tired Hammarlund sets. Some nice looking Heath stuff. A sad Collins 30L1. A nice new, unbuilt Heathkit remote coax switch - but the guy had opened the box. Does that make it worth less? Or now that it's spoiled, might as well build it?? Not a lot of military stuff - but a couple of nice RAKs for \$25 that were still there when I left. Our own Stan Griffith had a nice display of parts and extras from his Tek collection.

Puget Sound Antique Radio Society in Seattle: Quite a bit of unsold stuff from Longview showed up here. Good prices - as long as you weren't expecting a cheap Catalan (or even Bakelite) case. Anything even vaguely art deco was expensive. A surprising number of Hammarlunds and Hallicrafters for sale. A beautiful ART13 in unmodified shape and a command transmitter - looked good, except someone had put a mike connector (a la Heathkits) for the RF output. A Tek 575 in what looked to be perfect condition for \$285. Some HP test gear for very reasonable prices. Some mint looking military aircraft receivers that I just glimpsed as they disappeared into a buyer's trunk. Great



selection of BA tubes - including transmitting - at what seemed good prices.  
Jammed with both buyers and sellers.

Conclusion? R5/D3 and PSARS definitely thumbs up. The others? Only if I  
lived in the area.

Jan Skirrow, VE7DJX  
dma@islandnet.com

From boatanchors@theporch.com Mon Aug 19 03:09:19 1996  
From: MODSTEPH@ACS.EKU.EDU  
Subject: Real Hamfest Find  
Message-ID: <01I8FQYPNJZI000FAV@ACS.EKU.EDU>

One thing I forgot to mention I got at the Cincinnati Hamfest  
(and from a fellow BA'er - thanks, Rich!) is a reproducing head  
for an Edison phonograph. Real solid-state, I guess... straight  
mechanical amplification; not only no electronics, no electricity!

Anyway, my grandfather bought a top-of-the-line Edison  
phonograph (the diamond disc variety) in 1913, and the head broke  
(comparable to a cartridge/pickup on a modern record player) in  
a move... For me, what a find! Came home and (after putting the SX-111  
in the basement) cranked up the thing for the first time in many  
years.

BA related, I got my Globe 755A VFO fixed so I can check out the  
Harvey-Wells Bandmaster I have been working on... Enough to keep  
one busy!

73, Al N5AIT  
modsteph@acs.eku.edu  
Richmond, Kentucky

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996  
From: "Paul Bock" <pauboc@smtplink.pulse.com>  
Subject: Re[2]: Survey Says !!!!!  
Message-ID: <9607198404.AA840481038@smtplink.pulse.com>

>Note, too, the time frame of the survey....late 1956. The DX-100 hadn't  
>been on the market much more than a year. And within a year it accounted  
>for perhaps 12% of the commercial transmitters in use? Was that a  
>home-run for Heath or what????

No question about it! At a lower price and same AM & CW power level as a Viking II, \*PLUS\* a built-in VFO, it was certainly my "dream" rig (which I was never able to afford at that time). Some years later I did own a used Viking II, used with my own homebrew VFO (much more stable and versatile than either the Viking 122 or the built-in Heath version); but in '56-'57 the DX-100 was my "dream." What made the desire (and pain at not being able to afford it) stronger was that John, W4BXI, who gave me my Novice code test, had a DX-100 (and HQ-140-X; what a classic combo!).

Paul, K4MSG

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996  
From: "Joseph J. Curry" <71407.1774@CompuServe.COM>  
Subject: RF Plate Choke Wanted  
Message-ID: <960819170120\_71407.1774\_FHV80-1@CompuServe.COM>

Greetings Fellow BA Fans:

I am looking for an RF plate choke for an amp I am building. The one I had planned to use failed miserably under "fire".

The following solenoid-wound chokes would fit the bill:

National R-175A

Barker & Williamson 800 or 802

Raypar RL-101 or RL-102

Please advise via e-mail to:

71407.1774@compuserve.com

Thanks and 73,

Joe  
K3IC0  
AMI 721

From boatanchors@theporch.com Mon Aug 19 23:41:38 1996  
From: "Barry L. Ornitz" <u856010@eastman.com>  
Subject: Rinsing BA's

Message-ID: <Pine.ULT.3.91.960819192254.5741A-100000@dua150.kpt.emn.com>

On Fri, 16 Aug 1996, Scott Robinson <spr@earthlink.net> wrote:

> The key result is that YOU MUST THOROUGHLY RINSE  
> WITH WATER AS THE LAST STEP. Distilled water is  
> even better. The corrosion resulting from leaving  
> traces of chemically actives cleaning solutions on  
> the metal was quite apparent.  
>  
> Don't trade today's dust problem for next month's  
> hard-to-fix corrosion!

As the groups unofficial "chemist" I cannot agree more. [Hey folks, remember I am really an engineer (chemical and electrical).]

Cleaners all contain detergents and surfactants. These usually are slightly conductive and they also attract and hold surface moisture. The moist surface then tends to attract dirt. The eventual result is increased corrosion. Always test whatever cleaner you plan to use on an area you are willing to sacrifice. Many cleaners will remove markings and lettering that you might have wanted to keep.

I would actually go a step further than Scott and say to rinse SEVERAL times. Use ordinary tap water for the first rinse or two, but for the final rinse, use either distilled water or deionized water. Don't be like the poor guy who bought bottled mineral water to rinse with! Go to the drug store for a gallon of distilled water instead.

Dry thoroughly after the rinses and remember to lubricate switch detents, bearings and such quickly after washing. A paste wax may be sparingly used on a chassis to enhance the shine, but remember any wax (especially silicone waxes and things like Armor-All) will make future painting of such surfaces extremely difficult.

73, Barry L. Ornitz WA4VZQ ornitz@eastman.com

From boatanchors@theporch.com Mon Aug 19 23:41:38 1996

From: Jeffrey Herman <jherman@hawaii.edu>

Subject: Re: Rinsing BA's

Message-ID: <Pine.GS0.3.93.960819142756.11606C-100000@uhunix5>

Recall back in January I asked about washing my Galaxy GT-550; due to all the negative comments, I tried a different method of cleaning: A hairdrier (heat off) on high speed, and a soft-bristled paint brush. The interior of the rig looked like new when I was done!

And that rig had been sitting outdoors for a couple months prior to me adopting it. (How can someone treat their old friend like that?)  
Jeff KH2PZ

From boatanchors@theporch.com Mon Aug 19 03:09:19 1996  
From: dma@IslandNet.com (Jan Skirrow)  
Subject: Re: Shipping to Canada  
Message-ID: <m0usJY0-000Vt6C@comm.amtsgi.bc.ca>

As Jerry said ...

>I too have been burned by the UPS scam and my blood pressure hits the roof  
>when I continue to hear more stories of this type!! Rather than flame UPS  
>for  
>this practice, I would rather inform everyone of the best method to ship  
>from  
>USA to Canada. - Use the UNITED STATES POST OFFICE for anything which can  
>be shipped within their weight and dimension limits. ^^^^^^^

I agree a million percent with what Jerry and Dean say. The good 'ol US Post Office works like a charm. I've yet to have anything damaged by them, although the limits of weight etc can be a problem.

Canada Post charges a 5\$ "fee" for bringing in a package from the US, regardless of value. This fee (read punitive tax) is intended to discourage us vulnerable Canadians from buying from you Yanks, so we'll support local merchants.

BTW, for other (non-BA) stuff I import, suppliers increasingly will ship only by UPS, Fedex, etc. I refuse to do business with them, and make sure they understand why. Probably does no good, but I feel better!

Jan Skirrow, VE7DJX

dma@islandnet.com

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996  
From: Joe Serocki <JSEROCKI@allstate.com>  
Subject: Shipping to Canada -more tales of woe  
Message-ID: <s21814a9.090@allstate.com>

Here's another tail of woe.

I shipped a radio to Canada in trade for another. The initial shipment was

\$60, and then they wanted another \$60 for import duties. I sent it anyway, but the receiver would not pay the duties.

Contacting the USPS revealed that they DO NOT require the import duties on personal items as the shippers do. So we decided that this was the appropriate way to go.

The radio I sent to Canada arrived fine, and the receiver was happy.

The radio sent to me never arrived. I have no idea where it is. They claim it was delivered. However, I have a large sign on the porch of my house that deliveries are not considered complete until a signature is attained. No signature was attained.

To make matters worse, the Canadian postal service states that 'it is apparent' that the shipment was stolen off my porch, and therefore it is my problem, and I should file with my insurance company under my homeowners policy and eat the deductible, even though they cannot show proof of delivery.

So, beware. I am under the firm belief that trading with Canada is not worth the hassle, as there are plenty of opportunities here.

Also, an ideas on resolving this would be appreciated.

Thanks

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996  
From: jproc@worldlinx.com  
Subject: RE: Shipping to Canada -more tales of woe  
Message-ID: <Chameleon.4.01.2.960819100706.jproc@>

Joe,

>So, beware. I am under the firm belief that trading with Canada is not  
>worth the hassle, as there are plenty of opportunities here.

Making a statement like this is simply not fair to both buyers and sellers on each side of the border unless you can quote some actual statistics. For each tale of woe, how many thousands or hundreds of thousands of transactions have been successfully completed? Suppose we in Canada, adapted the same attitude? What would happen if I had a part that you desperately required and my attitude was - it's not worth the hassle to send to the US. Think of the shoe being on the other foot. What would you do if no US purchaser wanted your

goods and you received three offers from Canada? Would you still say its not worth the hassle?

Until the end of time, there will always be problems from time to time when money exchanges hands in any arena. With this specific thread, the most successful method of minimizing these unpleasant situations is to acquire a knowledge of the mechanics of shipping not only to Canada but perhaps to other parts of the world. Knowledge is power!

Regards,

-----  
Jerry Proc VE3FAB

E-mail: [jproc@worldlinx.com](mailto:jproc@worldlinx.com)  
-----

From [boatanchors@theporch.com](mailto:boatanchors@theporch.com) Mon Aug 19 15:22:09 1996

From: "B. D. Hall" <[BDHall@ghgcorp.com](mailto:BDHall@ghgcorp.com)>

Subject: Re: Shipping to Canada -more tales of woe

Message-ID: <3218A475.A42@ghgcorp.com>

[jproc@worldlinx.com](mailto:jproc@worldlinx.com) wrote:

> >So, beware. I am under the firm belief that trading with Canada is not  
> >worth the hassle, as there are plenty of opportunities here.

>

> Making a statement like this is simply not fair to both buyers and sellers on  
> each side of the border unless you can quote some actual statistics.

I agree.

I recently bought some stuff from Gordon Symonds in Ontario, and it was a good experience. It did take a little extra time (because of the U.S. Post Office - Canada Post interface) and was a little extra hassle because I needed to get an International Money order, and cost a little more because the international money order is \$3 instead of the \$0.60.

I was very happy with the merchandise and it was worth the wait and extra trouble/cost. Gordon did however send the stuff via UPS from a location in the states, so there was no problems with customs or UPS.

In my mind, this whole thing shows the need for a free trade agreement between us and our neighbors to the north. There is no reason why I need to pay X extra bucks to ship something to Canada or vice-versa. It is really idiotic in my mind. I'd like to think that the US and Canada

are friends, would you do this sort of thing to a friend? I wouldn't.

I'll be quiet now.

73,

Ben

---

BDHall@ghgcorp.com

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996

From: Joe Serocki <JSEROCKI@allstate.com>

Subject: RE: Shipping to Canada -more tales of woe -Reply

Message-ID: <s2185bdc.091@allstate.com>

I have taken a lot of flack from this blanket statement, but also have a lot of support for it.

Until BOTH governments come up with a free trade agreement, it is generally more hassle than it is worth to do business above the border, if a like item is available in the states.

I am not blaming either side, just pointing out that a situation exists, and that you must be very careful when doing so.

On a related thread, I asked the Canadian authorities what could be done if my friend had stiffed me and not shipped the radio. Their honest answer was that they have too many local problems to pursue something of this nature.

In a nutshell, BE VERY CAUTIOUS.

>>> <jjproc@worldlinx.com> 08/19/96 10:50am >>>

Joe,

>So, beware. I am under the firm belief that trading with Canada is not >worth the hassle, as there are plenty of opportunities here.

Making a statement like this is simply not fair to both buyers and sellers on

each side of the border unless you can quote some actual statistics. For each

tale of woe, how many thousands or hundreds of thousands of transactions have

been successfully completed? Suppose we in Canada, adapted the

same attitude?

What would happen if I had a part that you desperately required and my attitude was - it's not worth the hassle to send to the US. Think of the shoe

being on the other foot. What would you do if no US purchaser wanted your

goods and you received three offers from Canada? Would you still say its not

worth the hassle?

Until the end of time, there will always be problems from time to time when

money exchanges hands in any arena. With this specific thread, the most

successful method of minimizing these unpleasant situations is to acquire a

knowledge of the mechanics of shipping not only to Canada but perhaps to

other parts of the world. Knowledge is power!

Regards,

-----  
Jerry Proc VE3FAB

E-mail: [jproc@worldlinx.com](mailto:jproc@worldlinx.com)  
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From [boatanchors@theporch.com](mailto:boatanchors@theporch.com) Mon Aug 19 03:09:19 1996

From: Engbert Oord <[engbert.oord@jet.uk](mailto:engbert.oord@jet.uk)>

Subject: Re: Signal distribution...

Message-ID: <9608190737.AA23242@jet.uk>

At 04:50 PM 17/08/96 -0500, you wrote:

>Hello everyone...

>

>

>Can any of you old-time tube designers or hams point me to a design or

>schematic for a such a device? Using tubes I have bazillions of like

>6080's, 6DJ8's, 5879's, 12AT7's, 6AU5's (some of these aren't RF tubes,

>I know) etc would be a big plus.

>

>Thanks and 73,

>Ben



Good morning from a scorching England upto 90 F !

I am interested in the same thing, as I have a few receivers I want to hook up to the same antenna. Not merely to please myself but also to prove to silicon minded friends that these heavy concoctions of iron, copper and glass do not only really work but do it very well, usually.

Greetings

---

Engbert Oord , G7THB  
JET Joint European Torus, Culham ,UK  
Email : eo@jet.uk or engbert.oord@jet.uk

---

From boatanchors@theporch.com Mon Aug 19 03:09:19 1996  
From: Kim Herron <kherron@voyager.net>  
Subject: Re: Source for Heath parts  
Message-ID: <199608190135.VAA29170@vixa.voyager.net>

hi Gang,

NEW LIFE FOR OLD HEATHKITS?

>> If you are a Heathkit aficionado, listen up. The ARRL Lab's Mike Tracy, >>KC1SX, says that he has uncovered a possible source for surplus Heathkit >>parts that Heath sold off a number of years ago. It's a company called >>Spectrum Electronics located in Grand Rapids, Michigan.  
>> Mike Tracy says that although Spectrum Electronics is strictly a repair >>business, if you let them know what specific Heath part number you are >>looking for, they may be able to provide it. However, he emphasizes that >>you must be specific and you must supply exact part numbers.

When I saw this post, I figured that I respond since I'm so close to this non source of parts (less than 10 miles). What few parts that He had for amateur and test gear products are all gone and have been for three plus years. They do have a bunch of Heath/Zenith computer "junk" (that is exactly what it is), and some Zenith TV parts. There were a few meter movements, but unless you have a Part Number, you're out of luck. In addition, these two fellows are VERY hard to deal with. With all the stuff that they bought from Heath, you'd think that they would want to sell it. But the fact that you can't get any info without repeated phonecalls, and you can't even get in to look at what they have to see if anything is worth buying, makes me think otherwise. I have purchased some things from them,

several years back. They are in the business of VCR and TV repair and bought this stuff from Heath because they are a Zenith dealer (or were). What they bought they hoped would give them parts for their business. They have used what was worth anything and the rest is pretty much worthless, unless you're into stripping out PC boards (surface mount) for parts. In other words: Don't waste your time and money on phone calls. That is unless you like exercising in frustration.

KIM  
kherron@vixa.voyager.net

From boatanchors@theporch.com Mon Aug 19 23:41:38 1996  
From: DEE ALMQUIST <SOUNDNMIND@rica.net>  
Subject: SP-600 PARTS  
Message-ID: <19960820002300705.AAA430@har-dialin-22.rica.net>

Hi BA Gang....

Still have some SP 600 parts available; audio OP xf @ \$20, IF cans @ \$10, switches, TWO LARGE KNOBS @ \$10ea, lots of misc., ONE NEWLY REFINISHED PANEL @ \$50 less dial ports, dial ports \$20 pr, pwr supply chokes @ \$10 ea., etc.. Any interest?  
Dee, W4PNT Fax: (540) 249-5064 shop: (540) 249-3161  
Waynesboro, Va.

PATTY AND DEE'S MARINA, COLLECTORS OF BOATANCHORS...

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996  
From: "Garey Barrell, K4OAH" <75025.73@CompuServe.COM>  
Subject: Survey Says !!!!  
Message-ID: <960819134756\_75025.73\_FHD54-1@CompuServe.COM>

I just came across a survey in the December 1957 issue of CQ Magazine. I thought it was interesting and so will share it.

This is from a reader survey taken with a reply card bound into CQ Magazine in late 1956.

Transmitters (by count)		
Johnson	29.5%	83% of respondents used a commercial transmitter !!!
Heath	20.6%	
Collins	8.9%	
Elmac	7.8%	Average Age 34.5 years !!!!!!!!!

WRL	5.7%	
Gonset	5.4%	CW Only stations 5% /
Harvey Wells	4.8%	Phone Only stations 20%
Central	4.3%	Mostly Phone Stations 62%
B&W	4.1%	Mostly CW Stations 38%
Hallicrafters	1.7%	
26 Misc. Mfrs	7.2%	

Transmitters (by cost)		Transmitters (by model)	
Collins	30%	Heath DX-100	12.9%
Johnson	27%	Johnson Viking II	10.2%
Heath	11%	Johnson Ranger	7.3%
Gonset	5%	Heath AT-1	5.9%
B&W	7%		
Misc	20%		

Receivers (by count)		Receivers (by model)	
Hallicrafters	33%	Hammarlund HQ-129X	5.1%
National	27%	Hallicrafters SX-71	4.3%
Hammarlund	12%	Collins 75A-4	4.2%
Collins	10%	National NC-300	4.0%
Surplus	10%		
Misc.	5%		
RME	3%		

Interesting, at least to me, having been newly licensed at about that time. I had an HQ-129X, but a "homebrew" 6L6 transmitter. Oh well, I was halfway normal.....

73, Garey - K40AH  
 75025.73@compuserve.com  
 Atlanta

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996  
 From: Nick England <nick@cs.unc.edu>  
 Subject: Survey Says !!!!  
 Message-ID: <199608191423.KAA14147@altair.cs.unc.edu>

very interesting data -

Note this:

Heath DX-100	12.9%
Johnson Viking II	10.2%

I have a Johnson ad from 1954 or 55 which says 1 out of 4 hams use a Johnson Viking II. Heath really did open things up with the DX-100 !!

Nick KD4CPL

-----

Nick England KD4CPL nick@cs.unc.edu Univ. Of North Carolina  
http://www.cs.unc.edu/~nick Chapel Hill NC

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996  
From: jml@spider.lloyd.com (Jim Lockwood)  
Subject: Re: Survey Says !!!!  
Message-ID: <m0usVeQ-001Ni3C@spider.lloyd.com>

At 09:23 AM 8/19/96 -0500, Nick England wrote:

>

>very interesting data -

>

>Note this:

>Heath DX-100 12.9%

>Johnson Viking II 10.2%

>

>I have a Johnson ad from 1954 or 55 which says 1 out of 4 hams use a

>Johnson Viking II. Heath really did open things up with the DX-100 !!

Note, too, the time frame of the survey....late 1956. The DX-100 hadn't been on the market much more than a year. And within a year it accounted for perhaps 12% of the commercial transmitters in use? Was that a home-run for Heath or what????

73,

Jim - km6nk

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996  
From: w5tvw@juno.com (Sandy Blaize)  
Subject: Re: Survey Says !!!!  
Message-ID: <19960819.102059.7511.2.W5TVW@juno.com>

Just from my memory of the early 50's, seems like nearly everyone who could afford "commercial" gear used either a Hammerlund HQ-129X or a Hallicrafters S-40A/B for a receiver, and a Johnson Viking I or II for the transmitter! The more affluent (doctors, lawyers, brokers, etc) had

the 32V2/3's and the 75A1/2 stations. There were a lot of "high power" stations using the BC-610. The BC-348 was the most popular surplus receiver followed by the BC-342 and jillions of ARC-5's!

73

Sandy Blaize, W5TVW

Boat Anchors collected, restored, modified, traded & used!

w5tvw@juno.com

417 Ridgewood Drive,

Metairie, LA., 70001.

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996

From: Mikhael Brown <mikhael@hpcmpp13.sj.hp.com>

Subject: SX-100 Sold

Message-ID: <199608191706.AA027294382@hpcmpp13.sj.hp.com>

The SX-100 has been sold and no shipping was needed.

Mike N6WIG

--

mikhael@hpcmpp13.sj.hp.com

From boatanchors@theporch.com Mon Aug 19 23:41:38 1996

From: Morris Odell <morriso@vifp.monash.edu.au>

Subject: Re: Tek Scope Motor mounts

Message-ID: <199608192228.IAA26354@vifp.monash.edu.au>

Hi Ray and the gang,

> found a listing for rubber shock mounts that are described almost  
> exactly like the fan mounts in 500 series scopes.

These mounts are relatively easy to rebuild, especially over here in Oz with no easy source for replacement.

Clean all the old perished rubber off the end pieces. I made a jig to hold the end pieces the proper distance apart with the correct alignment. It's nothing fancy, just a bit of scrap aluminium bent into a "U" shape with a couple of holes drilled in it.

After mounting the end plates, fill the space between them with a good quality non-acid silicone and leave to cure for a few days (merely waiting until it's tack-free isn't enough). After trimming the edges with a knife, the job's done.

73

Morris

Morris Odell VK3DOC Melbourne, Australia  
morriso@vifp.monash.edu.au  
<http://www.vifp.monash.edu.au/CFM/staff/mo.html>  
Waffling for myself and not my employer.....

From boatanchors@theporch.com Mon Aug 19 23:41:38 1996  
From: Terry Dobler KJ7F <kj7f@micron.net>  
Subject: Transformer Impedance Ratios?  
Message-ID: <2.2.16.19960819185841.362f22aa@micron.net>

Help! Several months ago someone listed a chart of all the possible impedance ratios from the common universal output transformers. Due to a great misfortune (Diskus Crashus) I lost the message and need to get it again. Anyone still have the message or remember who sent it?

Terry Want/Trade/Sell at [http://netnow.micron.net/~kj7f/ba\\_page.htm](http://netnow.micron.net/~kj7f/ba_page.htm)

kj7f@micron.net (Boise, Idaho) <http://netnow.micron.net/~kj7f>

From boatanchors@theporch.com Mon Aug 19 03:09:19 1996  
From: "Frank Scutch-EFS003" <Frank\_Scutch-EFS003@email.mot.com>  
Subject: What's a Collins 180Z?  
Message-ID: <Macintosh \*/PRMD=MOT/ADMD=MOT/C=US/@MHS>

Hi gang:

Does anyone know the specs on a Collins 180Z antenna tuner? How much power and what bands? What radio was it built for? Does it look like a 180S1?

My guess is that's it's an aviation product and is an automatic tuner but I'm not sure.

Frank, WB4AYJ  
efs003@email.mot.com

From boatanchors@theporch.com Mon Aug 19 15:22:09 1996  
From: integrat@usr.com  
Subject: Re: WW2 Navy Tube list

Message-ID: <21898580.1901@usr.com>

It should be noted that a few of the holes in the numbering of Navy Class 38 stuff (tubes) are actually sockets. I suppose this is correct, as many equipment mounts fall under the class of the thing they mount - command set racks and mounts are a prime example. After all, a tube socket is really a mount.

I can come up with some of these numbers. Ray, do you have them as well?

Yes, I know - tube sockets are not all that exciting, but I am a bit nuts when it comes to Navy type numbers and contracts!

As a side note, I am still looking for a Navy tube socket called CEN-38002 - a special shockmounted wafer socket for four pin tubes (5Z3s, in my application).

William Donzelli  
integrat@usr.com

From boatanchors@theporch.com Mon Aug 19 03:09:19 1996  
From: "Ray L. Mote" <rmote@rain.org>  
Subject: WW2 Navy Tube list (67 lines)  
Message-ID: <Pine.SUN.3.94.960819003209.5864A-1000000@coyote.rain.org>

Jack: Please place in Archives.

BA: I keep running into more stuff that I should have sent to the archives. List of Navy 38xxx type-numbered tubes follows.

73.....Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA

File: C:\WORD\TUBES\NAVYCOML.ASC 17 February 1992

CROSS-REFERENCE: NAVY 5-DIGIT TYPE NUMBERS TO COMMERCIAL

NAVY	COMM'L	NAVY	COMM'L	NAVY	COMM'L
38001	01A	38145	845	38565J	6J5
38012	112A	38146	846	38566H	6H6
38015	WE-215A	38149	849	38567K	6K7
38019	19	38150	850	38567R	6R7
38022	22	38151	851	38568K	6K8
38024	24A	38152	852	38593	5Z3
38027	27	38157B	857B	38616	6A6
38030	30	38158	858	38617	6A7

38031	31	38160	860	38627	6B7
38032	32	38161	861	38636	6C6
38032A	1B4P	38162	862	38646	6D6
38033	33	38165	865	38655	6E5
38034	34	38166A	866A	38667	6F7
38035	35	38169A	869A	38674	GE45X674
38036	36	38170	870	38674A	EL6C
38037	37	38171	871	38717E	1E7G
38038	38	38172A	872A	38765J	6J5G
38039	39	38180	80	38766Y	6Y6G
38040	40	38181	81	38768F	6F8G
38041	41	38182	82	38803	803
38042	42	38183	83	38807	807
38045	45	38184	84	38808	808
38047	47	38193	893	38814	814
38050	50	38205	VR105-30	38833	833
38053	53	38211	211	38837	837
38056	56	38213	2A3	38842	842
38057	57	38215	2A5	38853	6AB7/1853
38058	58	38220	ZB 120	38884	884
38059	59	38222	RK-22	38897	GE16X897
38064	864	38227	2B7	38954	954
38071	71A	38233	RK-33	38955	955
38075	75	38236	1C6	38956	956
38076	76	38250	VR150-30	38958	958
38077	77	38255	25Z5	38959	959
38078	78	38266A	836		
38085	85	38267	1616		
38089	89	38268	868		
38101	801	38274	874		
38103	203A	38275	VR75-30		
38104	204A	38276	876		
38107	207	38278	HS1278		
38110	10	38282	WE-282B		
38111	SPECIAL 211	38286	886		
38112	WE-212E	38290	VR90-30		
38116	WL289416D	38401	EL302.5		
	GE 189049	38402	EL5B2.5		
38117	217C	38403	EL5B-HD		
38138	838	38404	EL3C		
38142	NONE	38405	EL1C		
38143	843	38412	WE-312A		

Taken from U.S. Navy RE-13A600E, Specifications For Vacuum Tubes,  
dated 30 September 1941 (includes basic & changes from 1935 on!)



From boatanchors@theporch.com Mon Aug 19 03:09:19 1996  
From: k7yha@juno.com (Richard H. Arland)  
Subject: Zenith Transoceanics Sold  
Message-ID: <19960818.220045.4447.0.k7yha@juno.com>

Gang:

The R-600 and the eRoyal 1000 T-Os that I had on the block are gone. Tnx  
to all who responded.

73 rich K7YHA